

AMENDMENTS TO THE SPECIFICATION:

Paragraph starting on page 10, line 28 has been amended as follows:

When the uploading is completed over all of the areas of the user memory 14 where the user program is stored, the user edits the user program by means of the tool 20 by making additions, deletions and changes (Step ST12). After the edition of the user program is completed (YES in Step ST13), the edited user program is downloaded from the tool 20 to the user memory 14 of the CPU unit 10 (Step ST14), as shown in ~~Fig. 5A~~ Fig. 5. From the point of view of the CPU unit 10, this downloading is carried out during the period of peripheral service processes. If the amount of the program to be downloaded is too large, the downloading process may be divided into portions and carried out over a plurality of cycles of its operations.

Paragraph starting on page 11, line 23 has been amended as follows:

As a variation, the tool 20 itself may be adapted to output to the MPU 12 an instruction to start the storage process to the user memory 14 and the copying and the storage processes to the temporary memory 19 as the tool 20 downloads the edited user program to the CPU unit 10, as shown in ~~Fig. 5B~~ Fig. 5.